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	Filing Date		2005-03-23
	First Named Inventor		Paul Murray
	Art Unit		1614
	Examiner Name		Not yet assigned
	Attorney Docket Number		100835-1P US

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/GS/	1	Freeman, S., et al., "Effect of Glucose on Rat and Human Liver Glycogen Phosphorylase Activity and Potency of a Glycogen Phosphoylase Inhibitor," Diabetes, 52, Supp., 1470-P, A340 (2003)	<input type="checkbox"/>
	2	Turnbull, A., et al., "Pharmacological Inhibition of Glycogen Phosphorylase (GP) Lowers Plasma Glucose in Rat Models of Type 2 Diabetes," Diabetes, 52, Supp., 1485-P, A343 (2003)	<input type="checkbox"/>
	3	Birch, A., et al., "Novel Thienopyrrole Glycogen Phosphorylase Inhibitors: In Vitro SAR and Crystallographic Studies," Poster, Cambridge Med Chem Symposium (Sept 2003)	<input type="checkbox"/>
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/GS/	CA	PCT/GB2003/004217 Search Report 6/8/2004			
	CB	Meth-Cohn et al., "The preparation and formylation of 2-acetamidothiophenes," <i>Synthesis</i> 2:133-135 (1980)			
	CC	Nakamura, "Construction of heterocyclic compounds by use of alpha-diazaphosphonates: new one-pot syntheses of indoles and isocoumarines," <i>Organic Letters</i> 4(14)2317-2320 (2002)			
	CD	Shvedov et al., ""2-Aminothieno '2,3-b'pyridine derivatives," Database CA 'Onlinel Chemical Abstracts Service Database accession no. 78:159580 XP002266826 (1972)			
	CE	Sugiyama et al., "Condensed thienopyrimidines. IV. Synthesis and gastric antisecretory activity of 2,3-dihydro-5H-oxazolothienopyrimidine derivatives," <i>Chemical & Pharmaceutical Bulletin</i> 37(10):2171-2722 (1989)			
▼	CF	Sugiyama et al., "Condensed thienopyrimidines. 5. Studies on the thermal cyclization of various ortho-formylthiophenecarbamates with ethanolamine," <i>Heterocycles</i> 29(7):1317-1323 (1989)			

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/GS/	AA*	US-2004/0048878-A1	03-11-2004	Cai et al.	
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/GS/	BA	EP-1088824 A2	04-04-2001			
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	BE	WO-2002/06246 A1	01-24-2002			
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/GS/	CA	Adams et al., "4-Amino-4,5-dihydrothiophene-2-carboxylic acid," J. Org. Chem. 50:2730-2736 (1985)	
	CB	Binder et al., "Eine einfache herstellungsmethode fur 2-aminothiophene," Synthesis Communications 4:255-256 (1977)	
	CC	Binder et al., "Thiopen als strukturelement physiologisch aktiver substanzen, 8. mitt. 1H5H-imidazo[1,2-a]thieno[3,4-d]pyrimidin-2(3H-one," Arch Pharm. 314:556-564 (1981)	
	CD	Bjork et al., "Improved syntheses of thieno[2,3- <i>b</i>]- and [3,2- <i>b</i>]-fused naphthyridines," J. Heterocyclic Chem. 32:751-754 (1995)	

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/GS/	CE	Boger et al., "Total synthesis of distamycin A and 2640 analogues: A solution-phase combinatorial approach to the discovery of new, bioactive DNA binding agents and development of a rapid, high-throughput screen for determining relative DNA binding affinity or DNA binding sequence selectivity," J. Am. Chem. Soc. 122:6382-6394 (2000)	
	CF	Brugier et al., "α-Substitution of β-thienylcarbamates: alkylation, vinylation and Pd-catalyzed coupling reactions," Tetrahedron 56:2985-2993 (2000)	
	CG	Brugier et al., "Studies on the reactivity of N-(3-thienyl)carbamates," J. Chem. Soc., Perkin Trans. 1:37-43 (2001)	
	CH	Brugier et al., "Synthesis and reactivity of alkyl (4-aminothien-3-yl)carbamates," Tetrahedron 53(30):10331-10344 (1997)	
	CI	Brunnett et al., "Heterocyclic amines. IV. Urethan and urea derivatives of 3-aminothiophene (1)," J. Heterocyclic Chem. 5(3):417-418 (1968)	
	CJ	Carroll et al., "Competitive ortho metalation effects: the kinetic and thermodynamic lithiation of 3-(tert-Butoxycarbonyl)amino-4-caromethoxythiopene," Tetrahedron Letters 38(15):2637-2640 (1997)	
	CK	Eras et al., "Reactivity of theinopyrroles. synthesis of isomeric nitro and bromothienopyrroles," J. Heterocyclic Chem. 21:215-217 (1984)	
	CL	Galvez et al., "Synthesis of isomeric β-haloethylthienopyrroles," J. heterocyclic Chem., 21, 393-395 (1984)	
	CM	Galvez et al., "Synthesis of thiophenedicarbonyldiazides and Di-i-butyl thiophendicarbamates," J. Heterocyclic Chem. 23:1103-1108 (1986)	
	CN	Jones et al., "The vilsmeier reaction of fully conjugated carbocycles and heterocycles," Organic Reactions 49:1-39 (1997)	
	CO	Kobayashi et al., "Heterocyclic sulfonyl compounds and activated blood coagulation factor X (FXa) inhibitors containing them," Chemical Abstracts XP002267904 & JP 2001 294572 (2001)	
	CP	Linda et al., "The mechanism of the Vilsmeier-Haach reaction. Part III. Structural and solvent effects," J. Chem. Soc. Perkins Trans II, 1610-1612 (1974)	
	CQ	Marques et al., "Toward an understanding of the chemical etiology for DNA minor-groove recognition by polyamides," Helvetica Chimica acta 85:4485-4517 (2002)	
	CR	Martin et al., "Nucelar magnetic resonance investigations of carbonium ion intermediates. Part II. Exchange reactions in chloro-iminium salts (Vilsmeier-Haack reagents)," Journal Chem. Soc., Perkins Trans II 642-646 (1974)	
	CS	Martin et al., "Recherches sur la reaction de vilsmeier-haack etude du mecanisme de formation du complexe par des mesures cinetiques en resonance magnetique nucleaire," Tetrahedron Letters 58:5061-5064 (1970)	
	CT	Meth-Cohn et al., "A versatile new synthesis of quinolines and related fused pyridines. Part II," Tetrahedron Letters 33:3111-3114 (1979)	
	CU	Meth-Cohn et al., "A versatile new synthesis of quinolines and related fuses pyridines. Part 7. The conversion of acetamidothiophens into thienopyridines," Journal Chem. Soc., Perkins Trans. I 1531-1536 (1981)	
	CV	Meth-Cohn et al., "A versatile new synthesis of quinolines, thienopyridines and related fused pyridines," Tetrahedron Letters 23:2045-2048 (1978)	
	CW	Meth-Cohn et al., "The preparation and formylation of 2-acetamidothiophenes," Synthesis 2:133-135 (1980)	
✓	CX	Nakamura, "Construction of heterocyclic compounds by use of alpha-diazaphosphonates: new one-pot syntheses of indoles and isocoumarines," Organic Letters 4(14)2317-2320 (2002)	

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/GS/	CY	Rajanna et al., "Kinetics and mechanism of vilenmeier-haach synthesis of 3-formyl chromones derived from o-hydroxy aryl alkyl ketones: A structure reactivity study," Tetrahedron 52(10):3669-3682 (1996)	
	CZ	Seela et al., "168. Synthesis of 2'-deoxyribufuranosides of 8-Aza-7-deazaguanine and related pyrazolo[3,4-d]pyrimidines," Helvetica Chimica Acta 69:1602-1613 (1986)	
	CA1	Shinkwin et al., "Synthesis of thiophenecarboxamides, thieno[3,4-c]pyridin-4(5H)-ones and Thieno[3,4-d]pyrimidin-4(3H)-ones and preliminary evaluation as inhibitors of poly(ADP-ribose)polymerase (PARP)," Bioorganic & Medicinal Chemistry 7:297-308 (1999)	
	CB1	Shvedov et al., "2-Aminothieno[2,3-b]pyridine derivatives, Chemical Abstracts, XP002266826 & SU364613 (1973)	
	CC1	Soth et al., "Recherches en serie heterocyclique. XXIX. Sur des voies d'accès à des thieno, selenolo, furo et pyrrolopyrroles," Canadian Journal of Chemistry 56(6):1429-1434 (1978)	
	CD1	Stanetty et al., "Herbizide thienylharnstoffe, I," Monatshefte für Chemie 120:53-63 (1989)	
	CE1	Sugiyama et al., "Condensed thienopyrimidines. IV. Synthesis and gastric antisecretory activity of 2,3-dihydro-5H-oxazolothienopyrimidine derivatives," Chemical & Pharmaceutical Bulletin 37(10):2171-2722 (1989)	
	CF1	Sugiyama et al., "Condensed thienopyrimidines. 5. Studies on the thermal cyclization of various ortho-formylthienophenecarbamates with ethanolamine," Heterocycles 29(7):1317-1323 (1989)	
✓	CG1	Szabo et al., "Experimental and theoretical study of orientation in the nitration of dithieno[3,4-b:3',4'-d]pyridine," J. Organic Chem 56:1590-1596 (1991)	

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